APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Contact-Catalytic Dehydrogenation of Isopentane as a Function of Temperature, by N. I. Shuykin, Ye. A. Timofeyeva, and T. P. Dobrynina, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR. Otdel Khim Nauk, No 6, 1958, pp 726-729.

Assoc Tech Serv
63K2/R

Sci - Chem
May 59
OTS, V. I, No 6

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

On Effective Coefficients of Friction for Vibrations, by I. I. Blekhman, G. Yu. Dzhanelidze, 8 pp.

RUSSIAN, per, Izvestiya Akademii Nauk SSSR, Otdeleniye Tekh Nauk, No 7, July 1958.

CSIR 173

Sci - Engr

Oct 61

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Transition of Flow From the Single-Phase To the Two-Phase State, by S. A. Lebedev, V. F. Usenko.

RUSSIAN, per, AK NAUK SSSR, Iz Otdel Khim Nauk, ¥ No 7, 1958, pp 56-60.

Dept of Interior
Tr No 230
ATS/RJ. 279.

Sci

Jan 63

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Kononenko, V. O.
RESONANT OSCILLATIONS OF A ROTATING SHAFT WITH A DISC (Rezonansnye Kolebaniya Vrashchayushchegosya Vala s Diskom). June 61 [7]p. 3 refs.
RTS 1866.
Order from OTS or SLA $1.10 61-23638

Trans. of A[kademiya] N[auk] SSSR. O[tdelenie] T[ekhnicheskikh] N[auk]. Izvestiya, 1958, no. 7, p. 87-90.

DESCRIPTORS: *Shafts, Rotation, Oscillation, Disks, Turbine wheels.

The oscillatory system being studied is the rotor of an engine (a turbine) the disk of which is subject to a moment L (φ) depending on the speed of rotation of the engine. An analysis of the motion shows that certain vibrational phenomena occur in the resonant region, depending on the characteristics of the engine. The solutions obtained explain the familiar experimental facts and contain the theory of the Sommerfeld effect.

61-23638

I. Kononenko, V. O.
II. RTS-1866
III. Department of Scientific and Industrial Research (Gt. Brit.)

180591

Office of Technical Services
(Machinery--Engines, TT, v. 6, no. 5)

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Hypersonic Flow Around a Cone at an Angle of Attack, by A. L. Gonor, 6 pp.

RUSSIAN, per, In Ak Nauk SSSR, Otdel Tekh Nauk, No 7, 1958, pp 102-105.

Morris D. Friedman G-15½

9092765

Sci - Physics
May 59
OTS V. I, No 8

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

On Turbulence in Flame, by A. S. Predeikov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 7, 1958, pp 130-133.

Navy 1978/T-41
SLA 59-11898

Sci. - Physics
Jan 59

79,873

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Composition vs Hot Strength Diagrams of Alloys of the Titanium-Vanadium-Columbium System, by V. S. Vlasov, I. I. Kornilov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 7, Jul 1958, pp 136-139.

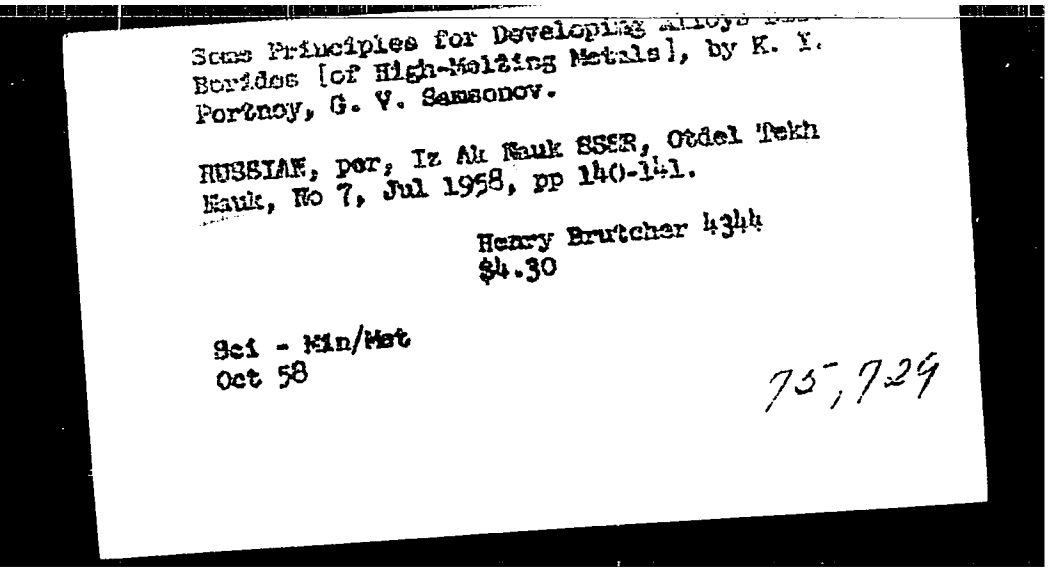
Henry Brutcher 4346
$7.30

Sci - Min/Met
Oct 58

35,730

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7



Some Principles for Developing Alloys [illegible]
Borides [of High-Melting Metals], by K. Y.
Portnoy, G. V. Samsonov.

RUSSIAN, por, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, No 7, Jul 1958, pp 140-141.

Henry Brutcher 4344
$4.30

Sci - Min/Met
Oct 58

75-729

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Chaplygina, E. M.
THE USE OF HIGH-SPEED CINEMATOGRAPHY IN LABORATORY INVESTIGATIONS OF THE FLOTATION PROCESS [O Primenenii Skorostnoi Kinos"yemki dlya Laboratornykh Issledovanii Flotatsionnogo Protessa]. [1961] [5]p. 3 refs. NCB Trans. A. 1680/SEH; [DSIR LLU] M. 2578.
Order from OTS or SLA $1.10 61-23287

Trans. of Akad[emiya] Nauk SSSR. [Otdelenie Tekhnicheskikh Nauk]. Izv[estiya] 1958, no. 7, p. 149-150.

DESCRIPTORS: Fluorspar, *Flotation, Photographic analysis, Oxygen, Absorption, Chemical effects

(Engineering--Chemical, TT, v. 6, no. 9)

61-23287

I. Chaplygina, E. M.
II. NCB-A1680/SEH
III. DSIR LLU M. 2578
IV. National Coal Board (Gt. Brit.)

[illegible]3529

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Study of Combustion of a Homogeneous Mixture in a Turbulent Flow by Recording Temperature Variations,] by M. V. Kokushkin,

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 8, 1958, pp 3-11.

Navy 1988/T-56

Sci - Physics
Jan 59

79,882

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

On the Coefficient of Resistance to Motion of Burning Particles, by V. N. Nasov, V. A. Popov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 8, 1958, p 12.

Navy 2308/T-101

Sci - Physics
Sep 59

96 217

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

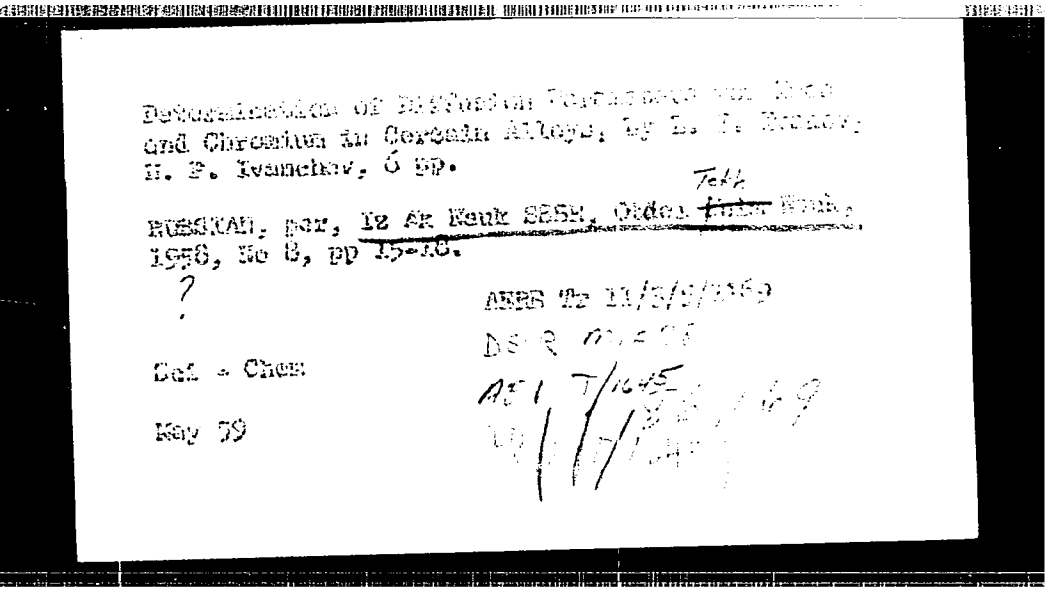
Coefficient of Resistance to Motion of Burning Particles, by V. N. Basov. V. A. Popov.
RUSSIAN, per. Iz Ak Nauk SSSR, OTN, No 8, 1958, pp 12-14.
NASA TT F-10,033

Sci-M/M
May 66

300,861

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7



Determination of Diffusion Parameters for Iron and Chromium in Certain Alloys, by B. I. Bolshov, N. P. Ivanchev, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, 1958, No 8, pp 15-18.

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Del - Chem

May 59

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

On the Time to Failure During Creep, by L. M. Kachanov. UNCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 8, 1958, pp 26-31.

DSIR LLU RTS 1114

15s. Od.

Sci - Min/Met
Sep 59

95, 846

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

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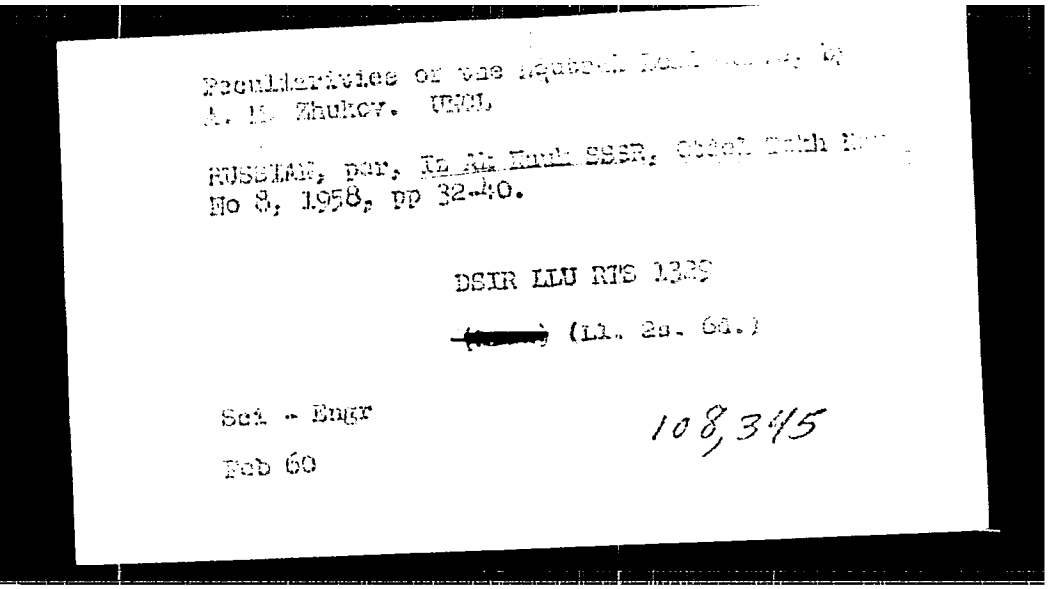

Peculiarities of the [illegible] by
A. M. Zhukov. USSR.

RUSSIAN, par, Iz Ak Nauk SSSR, Otdel Tekh Nau
No 8, 1958, pp 32-40.

DSIR LLU RTS 1339

[redacted] (Ll. 2s. 6d.)

Sci - Engr

Feb 60

108,345

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

The Creation of Vertical Fractures in Formations With the Aid of Infiltrating Fluids, by Yu. P. Zheltov, 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 8, 1957, pp 56-62.

ATS-24M44R

Sci
Vol IV, No 11
Jun 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Zavalishin, D. A.
NEW TECHNIQUES FOR A. C. FREQUENCY CONVERSION BY MEANS OF VALVE CONVERTERS AND GENERATORS HAVING A VALVE COMMUTATOR (Novye Sistemy Preobrazovaniya Chastoty Peremennogo Toka pri Pomoshchi Elektronno-ionnykh Preobrazovateley i Generatorov s Ionnym Kollektorom). July 61 [13]p. 4 refs. RTS 1888.
Order from OTS or SLA $1.60 61-27297

Trans. of \Akademiya Nauk SSSR. O[tdelenie] T[ekhnicheskikh] N[auk]. Izvestiya, 1958, no. 8, p. 81-87.

DESCRIPTORS: *Frequency converters, Alternating current, *Valves, *Generators, Voltage regulators, *Commutators, Electric machinery.

(Engineering--Electrical, TT, v. 6, no. 10)

61-27297

I. Zavalishin, D. A.
II. RTS-1888
III. Department of Scientific and Industrial Research (Gt. Brit.)

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Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Study of Structural Changes in Nickel-Chromium Alloy During Creep, by G. Ya. Kozyrskiy, et al.

RUSSIAN, per, Is Ak Nauk SSSR, Otdel Tekh Nauk, No 8, 1958, pp 90-92.

Henry Brutcher 4402
$5.25

Sci - Min/Met

Jan 59

78,646

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Malyutin, I.S.
FLAMBEMENT D'UNE TIGE AU-DELÀ DE SA LIMITE D'ÉLASTICITÉ (Buckling of a Bar Beyond the Elastic Limit). 12p. 6refs. CNRS-XV 115.
Order from OTS, ETC or CNRS $0.80 TT-62-28212

Trans: in French of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1958, no.8, p.112-116.

DESCRIPTORS: *Rods, Pressure, Elasticity, *Deformation, Plasticity, Theory.

(Mechanics, TT, v. 11, no. 6)

TT-62-28212

I. Malyutin, I.S.
II. CNRS-XV 115
III. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

The Vortex Wake Accompanying Flow Past Oscillating Cylinders, by M. A. Pavlikhina, L. P. Smirnov, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 8, 1958, pp 124-127.

ATS-49N42R

Sci.
Vol IV, No 9
Mar 62

187, 235

RJ-3318

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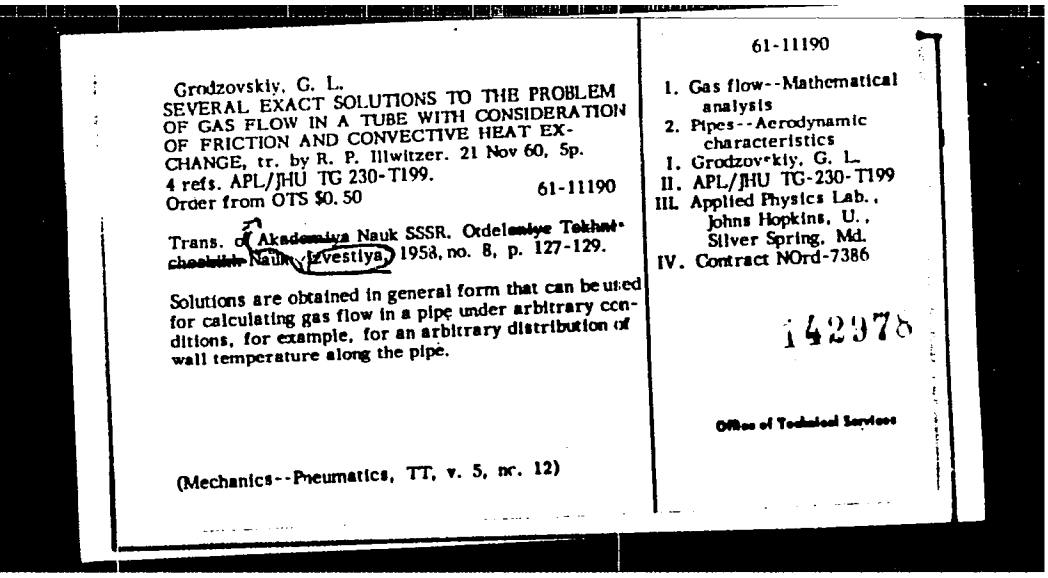
APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7



Grodzovskiy, G. L.
SEVERAL EXACT SOLUTIONS TO THE PROBLEM OF GAS FLOW IN A TUBE WITH CONSIDERATION OF FRICTION AND CONVECTIVE HEAT EXCHANGE, tr. by R. P. Illwitzer. 21 Nov 60, 5p.
4 refs. APL/JHU TG 230-T199.
Order from OTS $0.50 61-11190

Trans. of Akademiya Nauk SSSR. Otdeleniye Tekhnicheskikh Nauk, Izvestiya, 1958, no. 8, p. 127-129.

Solutions are obtained in general form that can be used for calculating gas flow in a pipe under arbitrary conditions, for example, for an arbitrary distribution of wall temperature along the pipe.

(Mechanics--Pneumatics, TT, v. 5, nr. 12)

61-11190

1. Gas flow--Mathematical analysis
2. Pipes--Aerodynamic characteristics
I. Grodzovskiy, G. L.
II. APL/JHU TG-230-T199
III. Applied Physics Lab., Johns Hopkins, U., Silver Spring, Md.
IV. Contract NOrd-7386

142978

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

On Energy Balance in Separated Turbulent Flow,
by B. A. Fidman, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 8, 1958, pp 139-142.

SLA 60-4337
1.

181, 323

Sci
Jan 62
Vol III, No 10

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Effect of Hydrogen on Structure and Properties of the Industrial Titanium Alloys VT 2, VT 3, and VT 3-1, by S. T. Glazunov, I. I. Kornilov, A. M. Yakimova.

RUSSIAN, per, Iz Ak Nauk, Otdel Tekh Nauk, No 9, 1958, pp 17-24.

Henry Brutcher 4506
$7.25

Sci - Chem

86,631

May 59

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

El'yasberg, M. Ye.
STABILITY OF THE METAL CUTTING PROCESS (Ob Ustoychivosti Protsessa Rezaniya Metallov) tr. by M. Slade. [1960] [34]p. (foreign text included) 7 refs. Trans. no. 4493.
Order from LC or SLA mi$3.00, ph$6.30 $9.30 60-23209 61-10675

Trans. of Akademiya Nauk SSSR. Otdeleniye Tekhnicheskikh Nauk. Izvestiya, 1958, no. 9, p. 37-52.

A theory of self-induced oscillations in machining is developed which makes use of the mechanisms accompanying the deformation of the metal being worked.

(OTS TT-62-26398 RUSSIAN TO FRENCH)

(Machinery--Manufacturing, TT, v. 3, no. 3)

60-23209

1. Metals--Machining
2. Cutting tools--Mechanical properties
I. El'yasberg, M. Ye.
II. CSIRO Trans-4493
III. Commonwealth Scientific and Industrial Research Organization (Australia)

142,991

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Degassing of Aluminum Alloys by Ultrasonic Vibrations, by M. B. Al'tman, et al.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 9, 1958, pp 25-30.

Henry Brutcher 4417
~~$XXXX~~ $5.35

Sci - Chem, Min/Met

Jan 59

79,594

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Thermal Waves in a Layer and in a Plate in Contact With the Layer, by E. I. Chernigovskaya.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 9, 1958, p 91.

Navy 2010/T-55

Sci - Physics
Jul 59

92,809

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Criterial Equations of Convective Heat Exchange in the Two-Phase Flows of the Gas Mixture Type, by Z. R. Gorbis.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 9, 1958, pp 94-102.
AEC-NYO-2974-1

Sci-Phys

Dec 64 269,9327

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Testing of Thick-Walled Tubes Under High, Short-Duration, Internal Pressures, by P. J. Ogibalov, 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 9, 1958, pp 134-139.

ACSI I-0962
ID 2191521

Sci - Phys
18 Apr 62

191,541

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

(NY-3905/2).

Information on the Status of Soviet Research in Hypersonics, by M. S. Solomonov, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 9, 1958, pp 157-159.

JPRS-L-1188-N

Sci - Phys, Engr
Feb 60

107709

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Diffusion of FE* in Alloys of a Compound System NiCrWAlTi. by I. I. Kornilov, et al. RUSSIAN, per, Izvest. Akad. Nauk SSSR Otdel Tekhn. Nauk, no. 10, 1958, pp. 96-99.
*CFSTI TT 70-57033

Sci/phys
Feb 70

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

The Thickness of the Turbulent Mixing Zone at the Boundary of Two Gas Streams With Different Velocity and Density, by O. V. Yakovlevskiy,

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 10, 1958, pp 153-155.

ATS NJ-2206

Sci - Chem

May 60

DSIR 100 M. 1950
ATS-24/138R
115,462

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Experimental Verification of the Laws of Isotropy and Retardation in the Case of Complex Loading, by V. S. Lenskiy.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 11, 1958, pp 15-24.

DSIR LLU M.1232
(loan)
128,830

Sci - Phys

Oct 60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Movement of Fluid-Sand Mixture in a Well and in a Fracture in Hydraulic Fracturing of an Oil-Bearing Formation, by V. S. Doroshkin, Yu. V. Zheltov, Yu. P. Zheltov, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR T Otdel Tekh Nauk, No 11, 1958, pp 37-42.

ATS 66L30R

Sci - Geophys
Vol 2, No 1

97,299

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

A Single-Axle, Electric Gyro-Stabilizer [illegible]
Rotor-Case Axis at an Oblique Angle, by N. T.
Kusovkov,

RUSSIAN, per, Is Ak Nauk SSSR, Otdel Tekh Nauk,
No 11, 1958, p 70.

Navy 2057/T-86

Sci - Engr
Mar 59

83,133

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Heat Balance of Direct Current Welding Arc in Gases During the Period of Drop Formation, by I. D. Kulagin, A. V. Nikolayev.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 11, 1958, pp 89-91.

ATS RJ-2069

Sci - Chem
Dec 59

104,070

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Displacement of Gas by Water in a Porous Medium, by
A. Kh. Mirzadzhanzade, V. V. Mustafayev, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 11, 1958, pp 95-97.

ATS 67L30R

Sci - Chem
Sep 59
Vol 2, No 2

97,976

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

The Regular Precession of a Gyrostope of Variable Mass, by V. S. Novoselov.

RUSSIAN, par, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 11, 1958, p 98. 90870

Navy 2056/T-85

Sci - Physics
Mar 59

83,134

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

A Study of the Thermal Decomposition of Kukersk Shale During the Process of Its Rapid Heating, by N. A. Kartashova, F. E. Kenaman, 4 pp.

RUSSIAN, per, Iz AK Nauk SSSR, Otdel Tekh Nauk, No 11, 1958, pp. 116-120.

ATS 51130R
ATS-RJ-1933

Sci - Geophys
Sep 59
Vol 2, No 2

98,028

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Ammosov, I. I. and Musyal, S. A.
VARIATION IN THE MICROHARDNESS OF COAL WITH REFERENCE TO ITS ORIGIN [Izmenenie Mikrotverdosti Uglei v Zavisimosti ot Ikh Proiskhozhdeniya]. [1961] [13]p. (foreign text included) 5 refs. Order from OTS or SLA $1.60 62-10206

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1958, no. 11, p. 136-138.

DESCRIPTORS: *Coal, Sources, Hardness, Geophysics.

Investigations were made of the changes in the microhardness of the petrographic components of a wide range of coals of various Soviet origins. Measurement of the micro-hardness was effected by means of the PMT-3 instrument with an indentor load of 10 g. The experiments were carried out in reflected light with (Materials;-Fuels, TT, v. 7, no. 10) (over)

62-10206

I. Ammosov, I. I.
II. Musyal, S. A.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

(NY-3120).

Nikolay Nikolayevich Kachalov (75th Birthday), 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 11, 1953, pp 1281-1282.

JPRS-L-1106-N

Sci - Misc
Jan 60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

The Perturbation Method for the Problem of a Strong Detonation, by E. I. Andriankin.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 12, 1958, p 5-14

SLA 60-21770
Navy 2220/T-129

Sci - Physics
Jul 59

92, 818

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Absorption and Dispersion of Weak, Induced Waves of Very Low and Very High Frequency Under the Influence of Radiative Heat Transfer, by V. A. Prokov'yev.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 12, 1958, p 15.

Navy 2221/T-130

Sci - Physics
Jul 59

92, 820

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Swirling Flow of an Incompressible Fluid in a Circular Tube, by M. A. Goldshtik, 12 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 12, 1958, pp 24-31. 9093732

AEC Tr-4832

Sci - Engr, Phys
Dec 61

177,424

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Investigation of the Slippage Mode in an Automatic Control System, by M. V. Starikova, 6 pp.

RUSSIAN, per, Iz Ak Nauk, Otdel Tekh Nauk, No 12, 1958, pp 53-58.

Automation Express
Vol I, No 8
Internat'l Physical Index

Sci
Jun 59

40,423

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

PLASTIC DEFORMATIONS IN A THICK-WALLED TUBE U
NDERTHE ACTION OF HEAT PULSES AND

IL'YUSHIN, A. LANGUAGE-RU COUNTRY-UR

IZV. AKA. NAUK-OTD. TEKH. NAUK., NO. 12, 1958
, 85-89

FSTC-HT-23-0441-73

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

On the Plastic Deformations of a Thick-Walled Tube Subjected to Thermal Pulses and Pressure, by A. A. Il'iushin, P. M. Ogibalov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 12, 1958, p 85.

Navy 2222/T-131

Sci - Physics
Jul 59

92,821

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Development of the Combustion Process of Moving Particles in Nonstationary Hydrodynamic and Thermal Conditions, by V. A. Popov, 12 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 12, 1958, pp 90-95. 9049282

Johns Hopkins Univ
Applied Phys Lab
Silver Spring, Md.
Navy 2418/T-132

Sci - Phys

SLA 60-21062

Jun 60

120,182

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

THE EFFECT OF HYDROGEN ON STRUCTURAL TRANSFORMATIONS IN TITANIUM ALLOYS, BY N. I. BLOK, A. I. GLAZOVA, ET AL, 13 PP.

RUSSIAN, PER, IZVESTIYA AKADEMII NAUK SSSR, OTDELENIYE TEKHNICHESKIKH NAUK, NO 12, 1958, PP 96-99.

JPRS 17990

SCI - M/M

MAR 63

224,614

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Decomposition of Sulfhedral Collectors Under Flotation Conditions, by T. N. Plaksin, 13 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 12, 1958, pp 115-119.

SLA 60-16812

193,847

Sci
Vol IV, No 7
Apr 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

BD #628 (DC-3131).

Lev Dmitriyevich Shevyakov (On his 70th Birthday), by A. A. Skochinskiy, B. A. Rozentreter, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 1, 1959, pp 4-8.

JPRS-L-2021-D

USSR
Bio
Sci - Misc

Feb 60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Mechanism of Oxidation of Some NI-CR Base Alloys, by B. Ignatov, R. Shangumova. RUSSIAN, per, Iz OTN Akad Nauk SSSR, No 3, 1959, pp 83-87.
*FTD-TT-65-1919

Sci-Chem
Dec 65

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Calculating the Critical Velocities During Movement of Loads Over a Beam, by A. B. Morgayevskiy.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Tekh No 3, 1959, pp 176-178.

*FTD-MT-62-29
MACHINE TRANSLATION

Sci - Phys

Aug 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Temperature Dependence of Elastic Modulus and of Linear Expansion Coefficients for Certain Metals, by A. M. Zhukov,

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 4, 1959, pp 173-175.

~~AEC~~

Sci - Phys

May 60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Contribution to the Thenory of Spherical Air Bearings, by Ya. M. Kotlyar,

RUSSIAN, per, Iz Ak Nauk, Otdel Tekh Nauk, No 6, 1959, pp 21-26.

*ATIC

Sci - Phys

16 May 61

C-925

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

(SF-1965)

Nikolay Antonovich Dollezhal', 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 6, 1959, pp 196-197.

JPRS 12803

USSR
Biog
Mar 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Several Exact Solutions E to Problem of Gas Flow in a Tube with Consideration of Friction and Convective Heat Exchange, by G. L. Grodzovskiy.

RUSSIAN, per, Iz AN SSSR, OTD Tekhn Nauk, No 8, 1959, pp 127-127.

ERDL, Ft Belvoir
T-1266

155,349

Sci j
Jun 61

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

14 (DC-4054)

An Approach Toward a Theory of Nonperturbed Systems With Three Channels for Automatic Compensation of Accelerations Due to Gravity, by V. A. Bodner, V. P. Seleznev, 17 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 1, Jan/Feb 1960, pp 76-85.

JPRS 3843

Sci - Phys, Space Research
Sep 60

125,671

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Application of Low Angle Scattering of ~~XR~~ X-Rays to the Study of Ultra Fine Porosity of Coal, by M. A. Davydova, G. M. Plavnik.

RUSSIAN, per, Ak Nauk SSSR Izvestiya Otdel Tekh Nauk, No 6, 1960, pp 150-155.

CRL/T. 1042

Sci-Fuels & Propulsion
Mar 63

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

On the Almost-Periodic Regime of a Four-Dimensional Automatic Control System, by B. V. Shirokorad. [illegible]

RUSSIAN, per, Iz Ak Nauk Otdel Tekh Nauk, No 5, 1960, pp 159-165.

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*ATIM NCL-12/13/1

Sci - Engr, Electricity
6 Jul 61
5-7-45

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Equilibrium of Cylindrical Rubber-Cord Envelopes, by V. L. Biderman and B. L. Bukhin. RUSSIAN, per, Akademiya Nauk SSSR. Izvestiya. Otdelenie Takhnicheskikh Nauk. Mekhanika, No 6, 1960, pp 156-158.
NTC 13870-20K

Feb 72

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Features of Reaction of an Armature and Commutation Reaction of Certain Types of Special DC Electrical Machines, by K. A. Bobov,

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 6, Nov/Dec 1960, pp 167-173.

ERDL, Ft Belvoir
T-1326

Sci - Electricity, Engr
Jul 61

160,514

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Sulfate Roasting of Vysokogorsk Iron Ores in a Fluidized Bed, by L. A. Petrov.
RUSSAN, per, Izv Ak Nauk SSSR, Otd Tekh Nauk Met i Toplivo, No 1, 1961, pp 31-38.
ATS RJ-5126

Sci-Mat
July 69

385,504

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Some Problems of Thermal Stability, by M. Yu. Bal'shin, Day Shou-Huey,

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 3, 1961, pp 73-76.

*FTD TT-61-160

Sci - Engr
Oct 61

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Izvestiya Ak Nauk SSSR, Otdel Tekh Nauk, Jan 1962, cover-to-cover, will be made available by Scientific Information Consultants Ltd.

Per AEC list 71

Jan 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Thermodynamics of Tungsten Carbides, by
V. I. Alekseyev, L. A. Shvartsman.

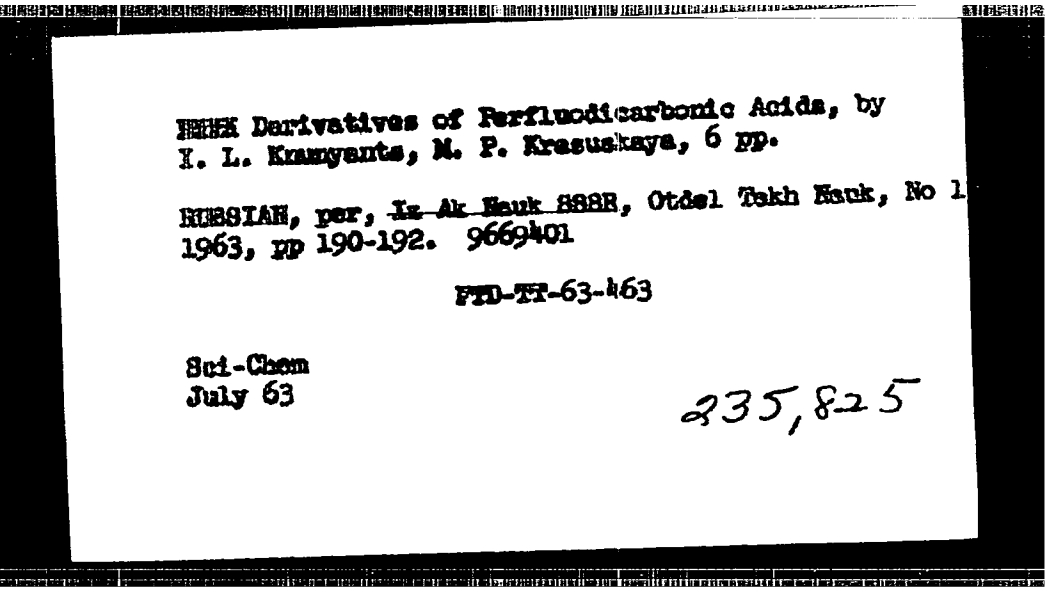
RUSSIAN, per, Iz Ak Nauk SSSR Otdel Tekh Nauk,
No 1, 1963, pp 91-96.

*BISI 3321

Sci - Chem
Aug 63

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7



HHHX Derivatives of Perfluodicarbonic Acids, by
I. L. Knunyants, M. P. Krasuskaya, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 1
1963, pp 190-192. 9669401

FTD-TT-63-463

Sci-Chem
July 63

235,825

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

(DC-6320)

Digital Computer Programs for Calculating Transient Processes In Networks With Periodically Varying Parameters, by V. A. Taft, V. A. Skobelev, 18 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Elektroenergetika, No 2, 1960, pp 105-114.

JPRS 11607

Sci - Engr

179,140

Jan 62

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

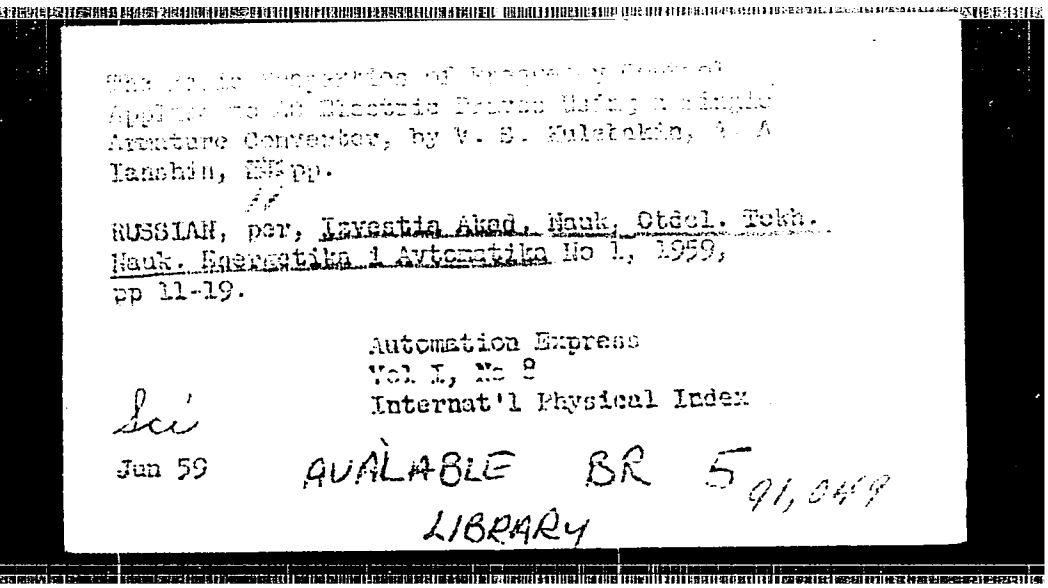
APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Pressure and Erosion in Region of Separation Cavitation of a Round Profile, by K. K. Shal'nev. 17 pp. RUSSIAN, per, Iz AN SSSR, Otdeleniye Tekhnicheskikh Nauk Energetika i Avtomatika, No 6, 1954, pp 111-120. P100115767 FTD MT 65-657

Mechanical
May 67 3254,958

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7



[illegible] of Frequency Control
Applied to an Electric Drive Using a Single
Armature Converter, by V. S. Kulebakin, I. A
Ianshin, [illegible] pp.

RUSSIAN, per, Izvestia Akad. Nauk, Otdel. Tekh.
Nauk. Energetika i Avtomatika No 1, 1959,
pp 11-19.

Automation Express
Vol I, No 9
Internat'l Physical Index

Jun 59

AVAILABLE BR 5 91,849
LIBRARY

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

(IN 23957/2).

Application of the Electroanalogy Method to the Solution of Radiant Heat Transfer Problems, by V. N. Adrianov, 10 pp.

RUSSIAN, PER, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 1, 1959, pp 20-25.

JPRS-L-1117-N

Sci - Engr
Dec 59

103,477

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

(MT-3905/1).

On the Derivation of a Basic Equation of the Hydrodynamic Theory of Heat Transfer, by P. N. Pinsker, 13 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 1, 1959, pp 26-32.

JPRS-L-1117-N

Sci - Engr
Dec 59

103/176

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

(NY-3905/1).

Calculation of Heat Transfer and Friction of a Flat Plate Swept by a Supersonic Flow in the Presence of Porous Intake of a Gas and Sublimation Under Laminar Boundary Layer Conditions, by V. P. Potulevich, 10 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 1, 1959, pp 33-38.

JPRS-L-1117-N

Sci - Engr
Dec 59

103,472

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Experimental Investigation on the Condensation of a Jet of Steam in a Space Filled With Liquid, by B. F. Glikman.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energ i Avtomat, No 1, 1959, pp 39-44.

DSIR LLU M. 1995

Sci - Phys

169, 832

Oct 61

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Filinov, M. V. and Charnyi, I. A.
APPROXIMATE METHOD OF CALCULATION FOR FORCING GAS INTO A WATER BEARING LAYER AND COMPARISON OF THIS METHOD WITH SOME EXACT SOLUTIONS. [1963] [5p] 5refs.
C. E. Trans. 2736.
Order from OTS, SLA, or ETC $1.10 TT-63-23955

Trans. of Akad[emiya] Nauk SSSR, O[tdelenie] T[ekhnicheskikh] N[auk]. [Izv[estiya]: Energetika i Avtomatika, 1959, no. 1, p. 100-103.

DESCRIPTORS: *Gases, Injection, Geology, Storage, Water, Fluid flow, *Hydrodynamics, Hydraulic research,

(Mechanics--Hydrodynamics, TT, v. 11, no. 5)

TT-63-23955

I. Filinov, M. V.
II. Charnyi, I. A.
III. CE Trans-2736
IV. Central Electricity Generating Board (Gt. Brit.)

NLL(LOAN)Ref.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

On the Transmission Capacity of A Multi-path Information System, by I. A. Ovseevich, M. S. Pinsker.

RUSSIAN, per, Izvestia Akad Nauk, Otdel Tekh Nauk, Energetika i Avtomatika, No 1, Jan 1959, pp 133-135.

Internatl Physical Index
Automation Express
Vol 2, No 1

Sci

Aug 59

93,843

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Conference on the Theory and Application of Discrete Automatic Control Systems, by I. S. Morosanov.

RUSSIAN, per, Is Ak Nauk, Otdel Tekh Nauk, Energetika i Avtomatika, No 1, Jan 1959, pp 137-138.

Internatl Physical Index
Automation Express
Vol I, No 9

Sci

Aug 59

93, 852

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

(EY-3905/1).

Conference on the Theory of Invariance, Resolutions of the Conference, by V. A. Bodner, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 1, 1959, pp 139-140.

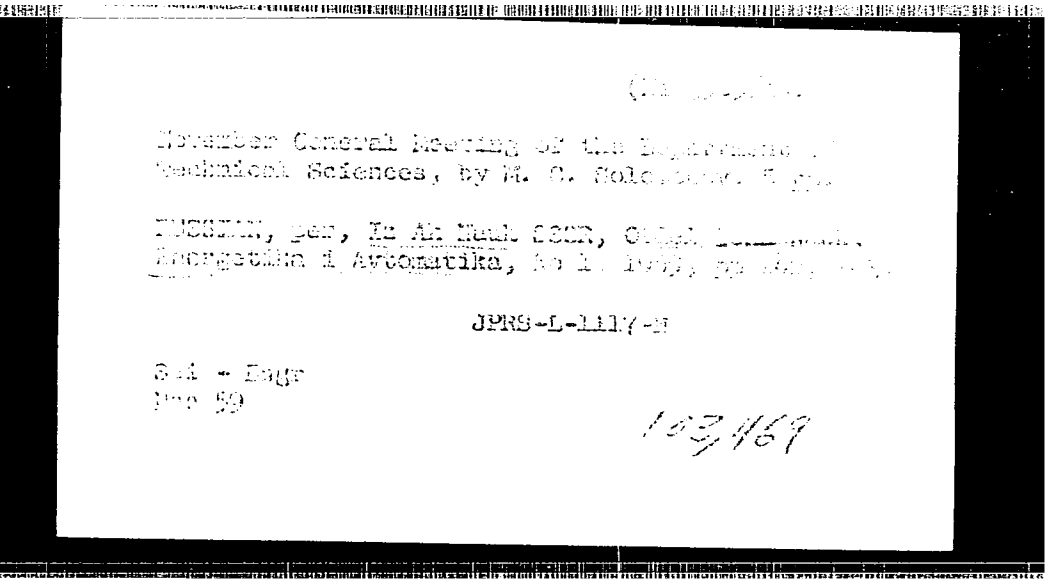
JPRS-L-1117-N

Sci - Engr
Dec 59

103,473

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7



Abstract General Meeting of the Department of Technical Sciences, by M. O. Kolchinskiy, 5 pp.

Kuchkin, Gen. Lt. Al. Med. SSSR, Chief [illegible], Energetika i Avtomatika, No 1, 1959, pp. [illegible].

JPRS-L-1117-S

S-1 - Engr
Jun 59

103/169

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

(MY-3905/1).

Twelfth Scientific and Technical Session on Gas Turbine Building, by I. P. Stul'nikov, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 1, 1959, pp 144, 145.

JPRS-L-1117-N

Sci - Engr
Dec 59

103,465

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Lower Branch of Hugoniot's Curve as a Set of Points Describing the Combustion Regime in Rocket Motor Chambers, by Ya. K. Troshin.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 2, 1959, pp 3-12.

Amer Rocket Soc
500 5th Ave NY 36, NY

Sci - Engr

Oct 59

100, 319

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Structure of Turbulent Flame of Homogeneous and Heterogeneous Mixtures, by V. Ya. Basevich, S. M. Kogarko, 6 pp. UNCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 2, 1959, pp 13-20.

American Rocket Society Journal
Oct 1959, Vol XXIX, No 10, Part I

Sci - Chem
Nov 59

100,703

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Effect of Flow Pulsations on the
Turbulent Speed of Flame Propagation,
by L. S. Kozachenko, 4 pp. UNCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
Energetika i Avtomatika, No 2, 1959, pp 21-25.

American Rocket Society Journal
Oct 1959, Vol XXIX, No 10, Part I

Sci - Phys OTS 62-11464 100,705
Nov 59

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Effect of Pressure on the Expansion Rate of a Flame in a Turbulent Flow, by S. A. Gol'denberg, V. S. Pelevin.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh NAuk, Energetika i Avtomatika, No 2, 1959, pp 26-31.

Amer Rocket Soc
500 5th Ave NY 36, NY

Sci - Engr

98,869

Oct 59

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Evaluating the Operation of the Simplest Ramjet Combustion Chamber, by A. V. Talantov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 2, 1959, pp 32-37.

Amer Rocket Soc
500 5th Ave NY 36, NY

Sci - Engr

Oct 59

98,870

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

One Problem in Nonstationary Heat Conduction, by V. S. Zarubin, 4 pp. UNCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 2, 1959, pp 38-44.

American Rocket Society Journal
Oct 1959, Vol XXIX, No 10, Part I

Sci - Phys
Nov 59

109706

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Correction Coefficients for the Quantity of Motion and Kinetic Energy in Under-Water Conditions, by A. A. Kadyrov.

RUSSIAN, per, Iz Ak Nauk SSSR, ~~Ser~~ Otd Tekh Nauk, No 2, 1959, pp 48-56.

DSIR LLU M.2042
(loan)

Sci - Physics
Nov 60

132,228

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

(NY-3909/1).

Calculation of Servo Systems With Self Regulating Parameters, by Yu. M. Kozlov, 10 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 2, Mar/Apr 1959, pp 65-76.

JPRS-L-1117-N
Internatl Physical Index
Automation Express
Vol 2, No 2

Sci - Engr
Dec 59

103,474

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

The Application of the Oscillation Index to the Design of Nonlinear Servosystems, by S. M. Fedorov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomat, No 2, 1959, pp 71-76.

Internatl Phys Index
Automation Express
Vol II, No 4

Sci - Phys

Jun 60

120,186

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

(NT-3905/1).

Accelerated Testing of the Reliability of Electrical Elements of a Technical System, by A. M. Polovko, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 2, Mar/Apr 1959, pp 99-103.

JPRS-L-1117-N

Sci - Engr
Dec 59

103,475

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

Measurement of the Speed of Propagation of Pulsating Combustion, by K. I. Shchelkin, 2 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energet i Avtom, No 2, 1959, pp 137, 138.

AEB, Vol XXX, No 1.
January 1960

Sci & Physics
Feb 60

107 613

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

(NY-3905/1).

Observations of Temperature Waves During Oscillations of a Flame in a Tube, by S. A. Abrukov, 2 pp.

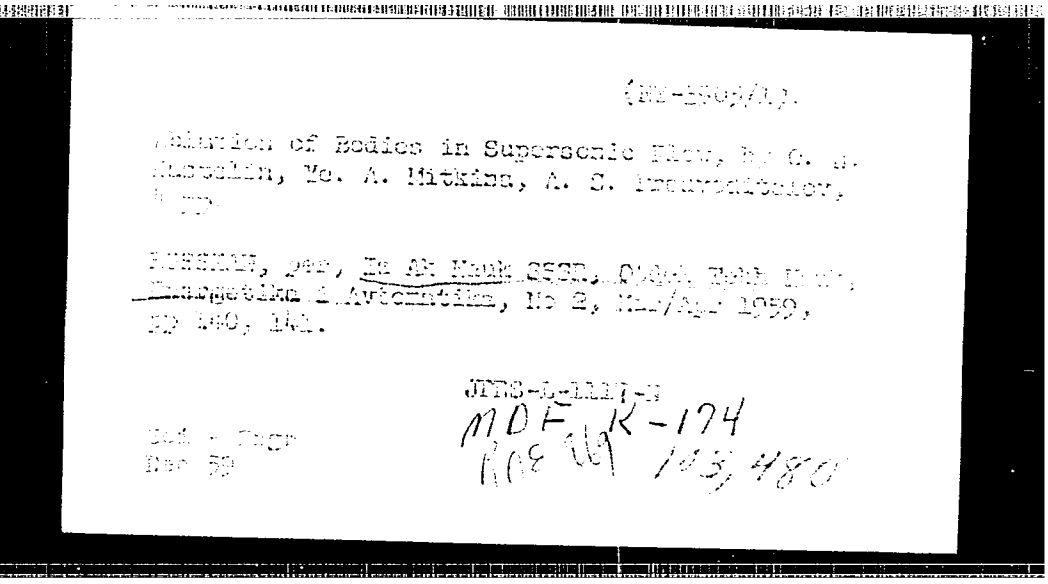
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 2, Mar-Apr 1959, p 139.

*JPRS — L-1117-N

Sci - Engr
Aug 59

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7



(RZhMekh, No. 4, 1960, Abstract 4B350).

Motion of Bodies in Supersonic Flow, by G. G. Chernyy, Ye. A. Mikhina, A. S. Predvoditelev, 4 pp.

Tr. sb. Ye. A. Mikhina, A. S. Predvoditelev, Dvizheniye tel v sverkhzvukovom potoke, No 2, Mashgiz, 1959, pp 140, illus.

JPRS-L-1117-N
MDF K-174
RJE 4/9 143,480

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820062-7